

# Activation of Glutamate Transporter-1 (GLT-1) Confers Sex-Dependent Neuroprotection in Brain Ischemia

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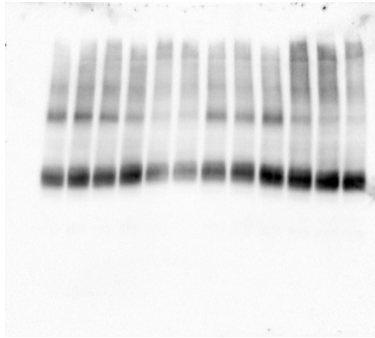
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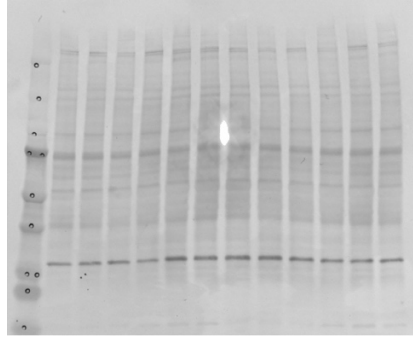
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## Supplementary Figures

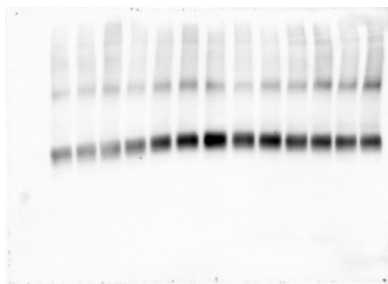
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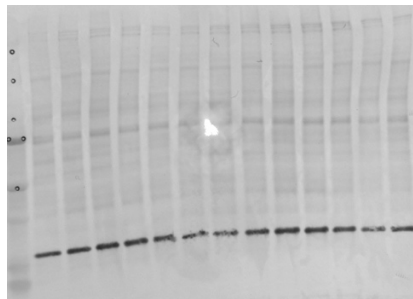
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c.



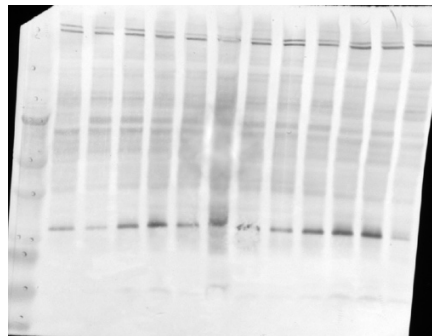
d.



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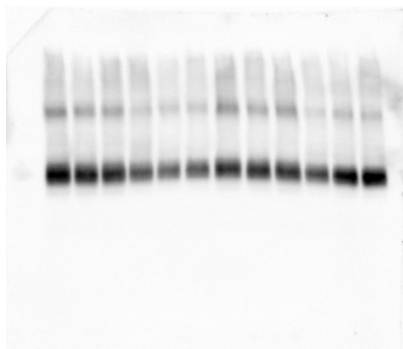


f.

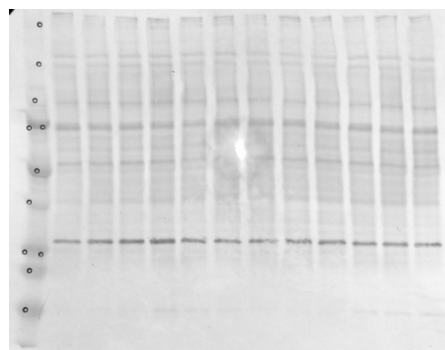


**Supplemental Figure S1: Expression of GLT-1 in male brains after a single injection of vehicle or LDN/OSU 0212320 (LDN).** Full length Western blots showing GLT-1 expression in male brain 24 (a), 48 (c) and 72 (e) hours after vehicle or LDN 40 mg/kg treatment. India Ink staining showing total protein concentration for Western Blots performed in male brain 24 (b), 48 (d), and 72 (f) hours after vehicle or LDN 40mg/kg treatment.

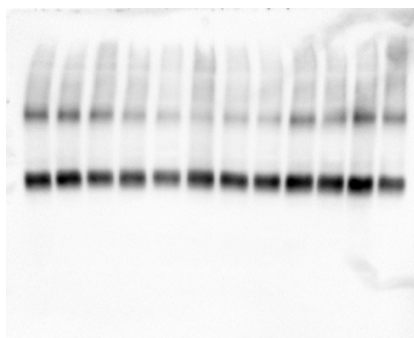
**a.**



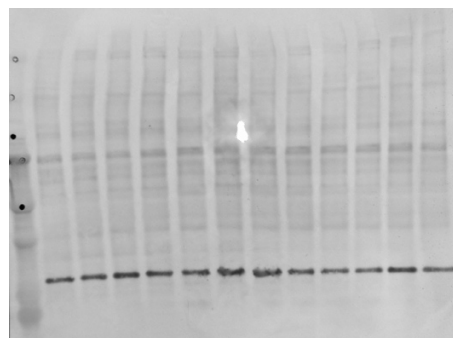
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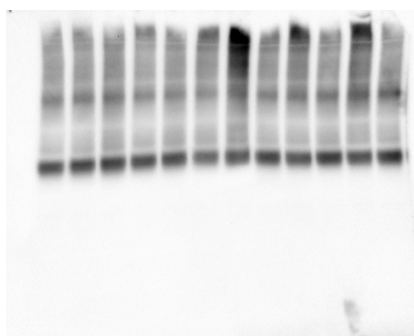
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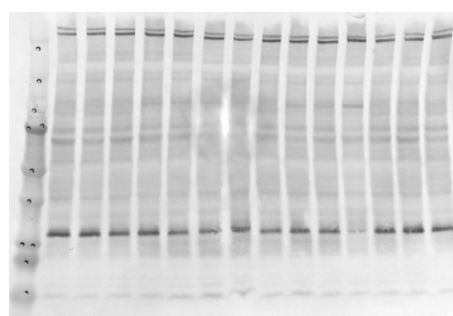
**d.**



**e.**

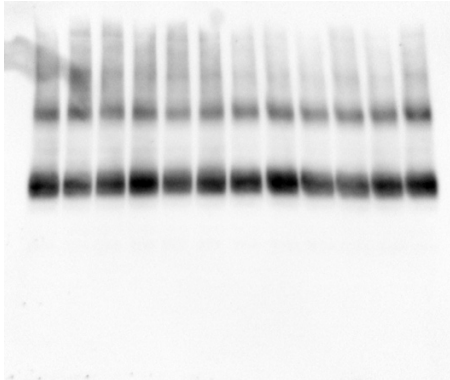


**f.**

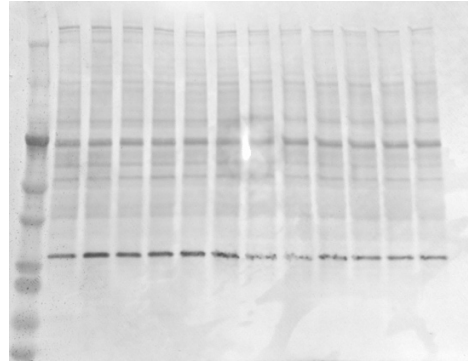


**Supplemental Figure S2: Expression of GLT-1 in female brains after a single injection of vehicle or LDN/OSU 0212320 (LDN).** Full length Western blots showing GLT-1 expression in female brain 24 (**a**), 48 (**c**) and 72 (**e**) hours after vehicle or LDN 40 mg/kg treatment. India Ink staining showing total protein concentration for Western Blots performed in female brain 24 (**b**), 48 (**d**), and 72 (**f**) hours after vehicle or LDN 40mg/kg treatment.

**a.**



**b.**



**Supplemental Figure S3: Expression of GLT-1 in female brain cortex after different doses of LDN/OSU 0212320 (LDN).** (a) Full length Western blot showing GLT-1 expression in the cortical region of female brains 24 hours after vehicle or 40 mg/kg, 80 mg/kg and 100 mg/kg LDN. (b) India Ink staining showing total protein concentration for Western Blot performed in female brain cortex after different doses of LDN-OSU 0232120 (LDN).